

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert Greenberg on 05/26/10.

2. The application has been amended as follows:

**IN THE INFORMATION DISCLOSURE STATEMENT:**

The IDS filed on 10/10/03, "Attorney's Docket NO. 10559-132001" has been replaced by --- Attorney's Docket NO. 10559-132002 ---, and "Application NO. 09/474,650" has been replaced by --- 10/684,078 ---.

***Allowable Subject Matter***

3. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, and 24, the prior art fails to teach a combination of the steps of:

a processor coupled to the one or more peripheral buses and the memory system, the processor adapted to forward data from the first port to the second port and comprising one or more microengines to execute program threads, the threads including receive schedule program threads to assign the first portion of the network packet from the first port to a first receive processing program thread and the second

portion of the network packet to a second receive processing program thread, in the specific combination as recited in the claims.

Regarding claim 14, the prior art fails to teach a combination of the steps of:  
a sequencer to poll the one or more status flags and place the one or more status flags to the one or more registers over the bus, wherein the communication system is capable of processing one or more packets of data, and wherein the communication system is capable of maintaining an intra-packet order and an inter-packet order for the one or more ports, in the specific combination as recited in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TOAN D. NGUYEN whose telephone number is (571)272-3153. The examiner can normally be reached on M-F (7:00AM-4:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. D. N./

Examiner, Art Unit 2472